

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. VIRAGE.007A	APPLICATION NO. 08/670,836
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Hampapur, et al.	
(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE June 6, 1997	GROUP 2315 2713

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
AK		5,488,482	01/30/96	Ueda et al.	358	339	
AK		5,485,611	01/16/96	Astle	395	600	
AK		5,471,239	11/28/95	Hill et al.	348	155	
AK		5,459,517	10/17/95	Kunitake et al.	348	416	
AK		5,404,174	04/04/95	Sugahara	348	700	
AK		5,283,645	02/01/94	Alattar	348	384	
AK		5,259,040	11/02/93	Hanna	382	41	
AK		5,245,436	09/14/93	Alattar	358	182	
AK		5,099,322	03/24/92	Gove	358	105	
AK		4,390,904	06/28/83	Johnston et al.	358	335	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
AK	A	JP 08 079 695 A	22.03.96	Japan (Abstract in English attached)	H04N	005/262		X
AK	B	WO 96 05696	22.02.96	PCT with Abstract in English	H04N	5/781		X
AK	C	EP 0 690 413 A2	22.06.95	European Patent Office	G06T	7/20		
AK	D	EP 0 675 496 A2	23.03.95	European Patent Office	G11B	27/028		
AK	E	EP 0 660 327 A2	01.12.94	European Patent Office	G11B	27/28		
AK	F	EP 0 660 249 A1	07.12.94	European Patent Office	G06F	17/30		

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
AK	1	Hampapur, Arun, dissertation, University of Michigan, 185 pages, 1995, "Designing Video Data Management Systems."
AK	2	Jain, Ramesh, et al., Machine Vision, McGraw-Hill Series in Computer Science, Chapter 4, pp. 112-127, "Image Filtering."
AK	3	Jain, Ramesh, et al., Machine Vision, McGraw-Hill Series in Computer Science, Chapter 5, pp. 140-149, "Edge Detection."

EXAMINER	<i>D. Rao</i>	DATE CONSIDERED	<i>4/22/94</i>
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*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

 FORM PTO-1449 U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. VIRAGE.007A	APPLICATION NO. 08/870,836
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
						YES	NO	
<i>JK</i>	G	JP 07 079 431 A ✓	20.03.95	Japan (Abstract in English attached)	H04N	7/24		X
<i>JK</i>	H	EP 0 636 994 A1 ✓	01.02.95	European Patent Office	G06F	17/30		
<i>JK</i>	I	JP 3 085 076 A ✓	10.04.91	Japan (Title and Synopsis in English, no Abstract Available)	H04N	5/91		X

EXAMINER
INITIAL

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

INITIAL	4	Nagasaki, Akio and Yuzura Tanaka, Visual Database Systems, II, pp. 113 - 127, Copyright 1992, "Automatic Video Indexing and Full-Video Search for Object Appearances."
<i>Al</i>		

EXAMINER A. *lao* DATE CONSIDERED 4/28/91

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IN CONFORMANCE AND NO
S-100CSIR/SIR IS 1157 DOC**